0	For receiving Office use only		
0-1	International Application No.		
0-2	International Filing Date		
0-3	Name of receiving Office and "PCT International Application"	•	
0-4	Form PCT/RO/101 PCT Request		
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.175)	
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty		
0-6	Receiving Office (specified by the applicant)	Japan Patent Office (RO/JP)	
0-7	Applicant's or agent's file reference	904514	
ī	Title of Invention	MOTOR MODULE	
II	Applicant		
II-1	This person is	applicant only	
II-2	Applicant for	all designated States except US	
II-4	Name	TOYOTA JIDOSHA KABUSHIKI KAISHA	
II-5	Address	1, Toyota-cho, Toyota-shi, Aichi 4718571	
	Change and and in a	Japan	
II-6 –	State of nationality	JP	
II-7 	State of residence	JP	
HI-1	Applicant and/or inventor		
III-1-1	This person is	applicant only	
III-1-2	Applicant for	all designated States except US	
III-1-4	Name	AISIN AW CO., LTD.	
III-1-5	Address	10, Takane, Fujii-cho, Anjo-shi, Aichi 4441192 Japan	
		JP ·	
III-1-6	State of nationality	JP	

	III-2	Applicant and/or inventor		
	III-2-1	This person is	applicant only	
Address 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 Japan 11-26 State of nationality JP State of residence JP III-27 Applicant for Address Address III-34 Applicant for Address III-34 Address III-35 Address III-36 State of nationality JP III-37 State of nationality JP III-37 State of nationality JP III-38 Applicant for Address III-39 Applicant only III-39 Applicant only III-39 Applicant for Address III-39 Applicant for III-39 Applicant for III-39 Address III-39 Address III-39 Address III-39 Address III-39 Applicant and/or inventor III-39 Applicant and inventor III-39 Applicant tor III-39 Applicant and inventor III-39 Address III-39 Address III-39 Applicant and Inventor III-39 Appli	111-2-2	Applicant for		
Mie S108503 Japan	III-2-4	Name	AUTONETWORKS TECHNOLOGIES, LTD.	
Mie \$108503 Japan	III-2-5	Address	1-14, Nishisuehiro-cho, Yokkaichi-shi,	
			Mie	
			0_0_0	
III-2-7 State of residence JP III-3 Applicant and/or inventor This person is applicant only all designated States except US III-3-4 Address I-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 Japan III-3-5 State of nationality JP III-4 Applicant and/or inventor This person is applicant only applicant only applicant only applicant only applicant only applicant only all designated States except US III-4-4 Applicant for all designated States except US Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan III-4-6 State of nationality JP State of residence JP III-5-1 Applicant and/or inventor This person is applicant and inventor III-5-1 Applicant and/or inventor III-5-2 Applicant and/or inventor US only TSUKASHIMA, Hiroyuki C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan JP Japan JP JP JP JP JP JP JP J			_	
III-3 Applicant and/or inventor This person is Applicant for Applicant for Address Applicant only Applicant Address Applicant only Applicant Address Applicant Applicant Address Applicant A		, The state of the	JP	
III-3-1 This person is applicant only all designated States except US III-3-2 Applicant for all designated States except US III-3-4 Address 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 III-3-6 State of nationality JP III-4 Applicant and/or inventor III-4-1 Applicant for all designated States except US III-4-5 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan JP III-4-6 State of nationality JP III-4-7 State of residence JP III-5-1 This person is applicant and inventor III-5-6 State of nationality JP III-5-7 Applicant and/or inventor JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 This person is applicant and inventor US only III-5-6 State of nationality JP III-5-7 State of nationality JP III-5-8 State of nationality JP III-5-9 Address Control of the property JP III-5-1 Address Address JP III-5-1 Address Address JP III-5-1 Address		State of residence	JP	
III-3-2 Applicant for Applicant for Address SUMITOMO WIRING SYSTEMS, LTD. III-3-5 Address 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 Japan III-3-6 State of nationality JP III-4 Applicant and/or inventor This person is Address SUMITOMO ELECTRIC INDUSTRIES, LTD. III-4-1 State of nationality JP III-4-5 Address SuMITOMO ELECTRIC INDUSTRIES, LTD. III-4-6 State of nationality JP III-4-7 State of residence JP III-4-7 State of residence JP III-4-7 State of residence JP III-5-1 This person is Applicant and/or inventor III-5-2 Applicant and/or inventor III-5-5 Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP III-5-6 State of nationality JP III-5-7 Japan JP III-5-8 State of nationality JP III-5-9 Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan JP III-5-6 State of nationality JP III-5-7 Japan JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 Japan JP III-5-1 JP JP III-5-1 JP JP III-5-1 JP JP JP III-5-1 JP JP JP III-5-1 JP JP JP JP III-5-1 JP JP JP JP JP III-5-1 JP JP JP JP JP		1		
III-3-4 Name SUMITOMO WIRING SYSTEMS, LTD. III-3-5 Address 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 Japan Jp III-3-7 State of residence Jp Jp III-4-1 This person is applicant only all designated States except US III-4-2 Applicant for all designated States except US III-4-5 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan III-4-6 State of nationality Jp III-5-1 This person is applicant and inventor III-5-1 This person is applicant and inventor III-5-2 Applicant for Us only III-5-5 Address Cotombox C	III-3-1	· ·	applicant only	
III-3-5 Address 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 Japan III-3-6 State of nationality JP III-4 Applicant and/or inventor III-4-1 This person is applicant only all designated States except US III-4-2 Applicant for all designated States except US III-4-3 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan III-4-6 State of nationality JP III-5-1 This person is applicant and inventor III-5-2 Applicant for US only III-5-5 Address C/o TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP	III-3 - 2	Applicant for	all designated States except US	
Mile 5108503 Japan JP III-3-7 State of nationality JP III-4 Applicant and/or inventor III-4-1 This person is III-4-2 Applicant for III-4-5 Address SUMITOMO ELECTRIC INDUSTRIES, LTD. 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan JP III-4-7 State of nationality JP III-4-7 State of residence JP III-5-1 Applicant and/or inventor III-5-2 Applicant for III-5-4 Name (LAST, First) TSUKASHIMA, Hiroyuki C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan JP III-5-6 State of nationality JP	III-3-4	Name	SUMITOMO WIRING SYSTEMS, LTD.	
State of nationality JP	111-3-5	Address	1-14, Nishisuehiro-cho, Yokkaichi-shi,	
III-3-6 State of nationality JP JP III-3-7 State of residence JP III-4-1 Applicant and/or inventor III-4-2 Applicant for all designated States except US III-4-4 Name SUMITOMO ELECTRIC INDUSTRIES, LTD. III-4-5 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan III-4-6 State of nationality JP III-4-7 State of residence JP III-5-1 This person is applicant and inventor III-5-2 Applicant for US only III-5-4 Name (LAST, First) TSUKASHIMA, Hiroyuki III-5-5 Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP III-5-6 State of nationality JP III-5-7 State of nationality JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 Japan JP III-5-2 Japan JP III-5-1 Japan JP III-5-2 Japan JP III-5-1 Japan JP III-5-1 Japan JP III-5-2 Japan JP III-5-1 Japan JP III-5-2 Japan JP III-5-2 Japan JP III-5-3 Japan JP III-5-4 JP JP JP III-5-6 JP JP JP JP III-5-7 JP JP JP JP III-5-8 JP JP JP JP JP III-5-9 JP JP JP JP JP JP JP III-5-1 JP JP JP JP JP JP JP J				
III-3-6 State of nationality JP III-3-7 State of residence JP III-4 Applicant and/or inventor III-4-1 This person is applicant only III-4-2 Applicant for all designated States except US III-4-4 Name SUMITOMO ELECTRIC INDUSTRIES, LTD. III-4-5 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5-34, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5-35, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 1II-4-6 State of nationality JP III-5-1 This person is applicant and inventor III-5-1 This person is applicant and inventor III-5-2 Applicant for US only III-5-4 Name (LAST, First) TSUKASHIMA, Hiroyuki C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP Control of the cont				
III-3-7 State of residence JP III-4 Applicant and/or inventor This person is applicant only all designated States except US III-4-1 Name SUMITOMO ELECTRIC INDUSTRIES, LTD. III-4-5 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan III-4-7 State of nationality JP III-5-1 This person is applicant and inventor III-5-2 Applicant for US only III-5-5 Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP III-5-6 State of nationality JP III-5-6 State of nationality JP III-5-7 State of nationality JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 This person is Applicant and inventor US only TSUKASHIMA, Hiroyuki C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan Japan JP III-5-6 State of nationality JP TSUKASHIMA JP TSUKASHIMA JP TSUKASHIMA TSUK			Japan	
III-4 Applicant and/or inventor This person is applicant only all designated States except US III-4-2 Applicant for all designated States except US SUMITOMO ELECTRIC INDUSTRIES, LTD. Soska	III-3-6	The state of the s	JP	
III-4-1 This person is applicant only all designated States except US III-4-4 Name SUMITOMO ELECTRIC INDUSTRIES, LTD. 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan Ja	III-3-7	State of residence	JP	
III-4-2 Applicant for all designated States except US III-4-4 Name SUMITOMO ELECTRIC INDUSTRIES, LTD. III-4-5 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan III-4-6 State of nationality JP III-4-7 State of residence JP III-5-1 This person is applicant and inventor III-5-2 Applicant for US only III-5-4 Name (LAST, First) TSUKASHIMA, Hiroyuki III-5-5 Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP III-5-6 State of nationality JP III-5-7 State of nationality JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 State of nationality JP III-5-1 State of nationality JP III-5-2 State of nationality JP III-5-3 State of nationality JP III-5-4 State of nationality JP III-5-6 State of nationality JP III-5-7 State of nationality JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 State of nationality JP III-5-1 State of nationality JP III-5-2 State of nationality JP III-5-3 State of nationality JP III-5-4 State of nationality JP III-5-6 State of nationality JP III-5-7 State of nationality JP III-5-8 State of nationality JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 State of nationality JP III-5-1 State of nationality JP III-5-2 State of nationality JP III-5-1 State of nationality JP III-5-2 State of nationality JP III-5-1 State of nationality JP III-5-2 State of nationality JP III-5-1 State of nationality JP III-5-2 State of nationality JP III-5-2 State of nationality JP III-5-1 State of nation	•••	1		
Name SUMITOMO ELECTRIC INDUSTRIES, LTD. S-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka State of nationality Jp III-4-7 State of residence Jp III-5-1 This person is Applicant and inventor III-5-2 Applicant for US only III-5-4 Name (LAST, First) TSUKASHIMA, Hiroyuki C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality Jp SumITOMO ELECTRIC INDUSTRIES, LTD. 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka-shi, Osaka 5410041 Japan Japan Japan Japan Japan Japan Japan Japan Japan Japan	III-4-1	·	applicant only	
III-4-5 Address 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041 Japan III-4-6 State of nationality JP III-5-1 This person is Applicant and/or inventor III-5-2 Applicant for US only III-5-4 Address C/o TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP III-5-7 State of nationality JP III-5-8 State of nationality JP III-5-8 State of nationality JP III-5-9 State of nationality JP III-5-1 State of nationality JP	111-4-2	Applicant for	all designated States except US	
shi, Osaka 5410041 Japan III-4-6 State of nationality JP III-5 Applicant and/or inventor III-5-1 This person is applicant and inventor III-5-2 Applicant for US only III-5-4 Name (LAST, First) TSUKASHIMA, Hiroyuki III-5-5 Address C/o TOYOTA JIDOSHA KABUSHIKI, 1, Toyota- cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP	111-4-4	Name	SUMITOMO ELECTRIC INDUSTRIES, LTD.	
State of nationality Jp	111-4-5	Address	5-33, Kitahama 4-chome, Chuo-ku, Osaka-	
Japan JP State of nationality JP State of residence JP			1	
III-4-6 State of nationality III-5 State of residence III-5-1 This person is III-5-2 Applicant for III-5-4 Name (LAST, First) III-5-5 Address III-5-5 State of nationality III-5-6 State of nationality III-5-6 State of nationality III-5-7 State of nationality III-5-8 State of nationality III-5-8 State of nationality III-5-9 State of nationality III-5-9 State of nationality III-5-9 State of nationality III-5-9 State of nationality III-5-1 Japan III-5-1 State of nationality III-5-1 Japan III-5-1 State of nationality III-5-1 State of nat				
III-4-7 State of residence JP III-5 Applicant and/or inventor III-5-1 This person is applicant and inventor III-5-2 Applicant for US only III-5-4 Name (LAST, First) III-5-5 Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP			Japan	
III-5 III-5-1 This person is Applicant for III-5-2 Applicant for US only III-5-4 Name (LAST, First) Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP			JP	
III-5-1 This person is Applicant for III-5-2 Applicant for III-5-4 Name (LAST, First) Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP	111-4-7		JP	
Applicant for III-5-4 Name (LAST, First) Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP	···· -	1 **		
Name (LAST, First) TSUKASHIMA, Hiroyuki C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota- cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP	III-5-1 '	This person is	applicant and inventor	
Address C/O TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP	III-5-2	Applicant for	US only	
cho, Toyota-shi, Aichi 4718571 Japan III-5-6 State of nationality JP	III-5-4	Name (LAST, First)	TSUKASHIMA, Hiroyuki	
4718571 Japan III-5-6 State of nationality JP	III-5-5	Address	c/o TOYOTA JIDOSHA KABUSHIKI, 1, Toyota-	
Japan III-5-6 State of nationality Jp			1 -	
III-5-6 State of nationality JP				
			Japan	
III-5-7 State of residence JP			JP	
	111-5-7	State of residence	JP	

III-6	Applicant and/or inventor		
111-6-1	This person is	applicant and inventor	
III-6-2	Applicant for	US only	
III-6-4	Name (LAST, First)	TAKEUCHI, Takamasa	
III-6-5	Address	c/o AISIN AW CO., LTD., 10, Takane, Fujii-cho, Anjo-shi, Aichi 4441192 Japan	
III- 6- 6	State of nationality	JP	
III-6-7	State of residence	JP	
III-7	Applicant and/or inventor		
III-7-1	This person is	applicant and inventor	
111-7-2	Applicant for	US only	
111-7-4	Name (LAST, First)	KONDA, Kazumoto	
III-7-5	Address	c/o AUTONETWORKS TECHNOLOGIES, LTD., 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 Japan	
III-7-6	State of nationality	JP	
III-7-7	State of residence	JP	
111-8	Applicant and/or inventor		
III-8-1	This person is	applicant and inventor	
III-8-2	Applicant for	US only	
III-8-4	Name (LAST, First)	MIYAZAKI, Sho	
III-8-5	Address .	c/o AUTONETWORKS TECHNOLOGIES, LTD., 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 5108503 Japan	
III-8-6	State of nationality	JP .	
III-8-7	State of residence	JP	

IV-1	Agent or common representative; or address for correspondence		
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent	
IV-1-1	Name (LAST, First)	FUKAMI, Hisao	
IV-1-2	Address	Fukami Patent Office, Mitsui Sumitomo Bank Minamimorimachi Bldg., 1-29, Minamimorimachi 2-chome, Kita-ku, Osaka- shi, Osaka 5300054 Japan	
IV-1-3	Telephone No.	06-6361-2021	
IV-1-4	Facsimile No.	06-6361-1731	
IV-1-5	e-mail	info@fukamipat.gr.jp	
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent	
IV-2-1	Name(s)	MORITA, Toshio; MUTOH, Tadashi	
$\overline{\mathbf{v}}$	DESIGNATIONS		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	13 February 2004 (13.02.2004)	
VI-1-2	Number	2004-037104	
VI-1-3	Country	JP	
VI-2	Priority document request		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	Japan Patent Office (ISA/JP)	

VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	_	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	_	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	_	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	_	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	7	V
IX-2	Description	11	-
IX-3	Claims	2	-
IX-4	Abstract	1	1
IX-5	Drawings	6	_
IX-7	TOTAL	27	
•	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	/	
IX-17	PCT-SAFE physical media	_	√
IX-19	Figure of the drawings which should accompany the abstract	5	
IX-20	Language of filing of the international application	Japanese	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)		
X-1-2	Name of signatory		
X-1-3	Capacity		

Paper Copy (NOT for submission)

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	
	FOR INTE	ERNATIONAL BUREAU USE ONLY
11-1	Date of receipt of the record copy by the International Bureau	